

**SPECIAL SPECIFICATION**  
**SECTION 25001S**  
**PROJECT TELECOMMUNICATIONS SUMMARY**

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## **SPECIAL SPECIFICATION**

### **SECTION 25001S**

#### **PROJECT TELECOMMUNICATIONS SUMMARY**

##### **PART 1 - GENERAL**

###### **1.01 DESCRIPTION OF WORK**

This set of specifications (Division 25) is intended to delineate the scope of the installation of all telecommunications infrastructure, interconnection equipment, and support equipment for the MESA Project. The scope of this installation will encompass both the interior and exterior infrastructure in support of the entire MESA Project.

During initial construction of the communications infrastructure, any qualified telecommunications worker approved by SNL may perform construction and initial testing activities, without regard to clearance level. The need for a clearance may, however, be imposed by other job requirements. When a segment of the telecommunications infrastructure has been completed and placed into operation, those segments that are designated as part of the Classified Distributed Information Network (CDIN) shall be serviced only by "Q" cleared persons. Non-"Q" cleared persons under escort by knowledgeable "Q" cleared persons may perform work activities on the CDIN if permitted by security requirements in effect at the time.

###### **1.02 MESA OVERVIEW**

The Microsystems and Engineering Sciences Applications (MESA) Project is a proposed new, state-of-the-art facility at Sandia National Laboratories. It will include the MicroFab and MicroLab additions to the Microelectronic Development Laboratory (MDL), and construction of two new buildings. These will be the Weapons Integration Facility (WIF) Classified (-C) and Unclassified (-U) buildings. The MESA facility will house 648 persons in support of various programs.

###### **1.03 DRAWING REFERENCES**

References are made to detail drawing numbers that are included in the drawing sets for the respective buildings that comprise the MESA Project: the MicroFab, the MicroLab, the WIF-C and the WIF-U. Of these, only the WIF-C utilizes a telecommunications system design that includes both Red (classified) and Black (unclassified) system design features.

The design detail drawings are designated TJxxxxSTD when a combination of Red and Black system design details is used, such as in the WIF-C. The design detail drawings are designated TNxxxxSTD when only Black system design details are used, as in the WIF-U, the MicroFab and the MicroLab. Drawing references in this

specification are made in the form TN/TJxxxxSTD where the reference is to either type of drawing and the base drawing number (xxxx) is the same. The drawing reference will be TNxxxxSTD/TJyyyySTD where the base drawing numbers (xxxx and yyyy) are different. Where the reference is unique to only Red/Black or to Black only system design features, only TJxxxxSTD or TNxxxxSTD will be used. When referring to the drawing set for a given building, only one or the other (TN or TJ) drawing number will be found.

END OF SECTION